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(12) **United States Patent**
Jürgens

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(54) **METHOD FOR PRODUCING A SANDWICH
PANEL WITH AN INTEGRATED
REINFORCING STRUCTURE**

(58) **Field of Classification Search**

CPC Y10T 428/24149; B32B 3/04; B32B 3/12;
B32B 2260/021; B32B 2038/047;

(Continued)

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(56) **References Cited**

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(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 241 days.

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(30) **Foreign Application Priority Data**

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(57) **ABSTRACT**

(51) **Int. Cl.**

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B32B 37/00 (2006.01)

(Continued)

A Sandwich panel with a core structure, in particular with a
honeycomb-shaped core structure, and plane-parallel cover
layers applied to both sides of this core structure, to form a
floor surface in a fuselage airframe of an aircraft, the core
structure having at least one recess into which at least one
reinforcing structure is integrated, wherein the at least one
reinforcing structure is formed with at least one core, said
core having at least one recess into which a stopper is
introduced, into which at least one attachment element can
be introduced to attach at least one further component to the
sandwich panel, and a plurality of prepreg strips which each
have a uniform fiber running direction being wound around

(Continued)

(52) **U.S. Cl.**

CPC **B32B 38/04** (2013.01); **B29C 70/086**
(2013.01); **B29C 70/088** (2013.01);

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